

**ABSTRACT****DETERMINING LOGON STATUS IN A BROADBAND NETWORK SYSTEM  
AND AUTOMATICALLY RESTORING LOGON CONNECTIVITY**

5 A system, computer program product and method for automatically restoring  
logon connectivity in a broadband network system. Upon establishing a connection  
between a client and Internet gateway (INTERNET GATEWAY), the status of the  
connection, i.e., connected or disconnected, may be checked by issuing a request,  
e.g., <http://www.amd.com>, to an INTERNET GATEWAY utilizing a protocol that is  
normally blocked when the client is disconnected. By issuing a request utilizing a  
10 protocol that is normally blocked when the client is disconnected, the status of the  
connection may be determined by whether the request may be serviced. If the request  
cannot be serviced, then a subsequent connection may be established automatically by  
terminating the logon procedure associated with the preceding connection, e.g., initial  
connection, and executing the logon procedure associated with the subsequent  
15 connection.

AUSTIN\_I\161816\1  
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